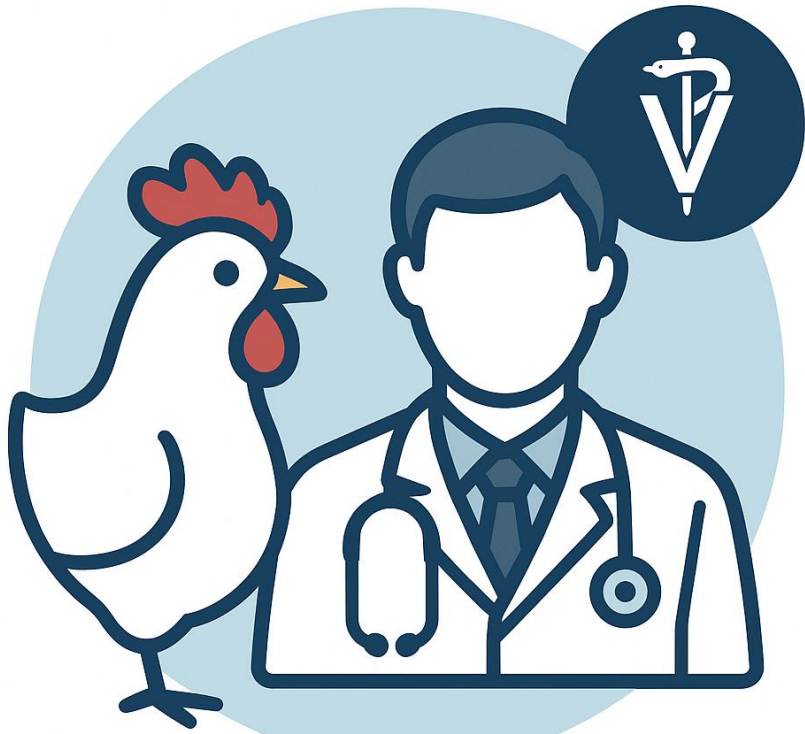


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Veterinary update

Fernando Carrasquer

Mikhail Malyshev

2025



Firstly, the good news...

Give a warm welcome to:

Dr. Mikhail Malyshev



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Secondly, what can we do for you?



Biosecurity Audit



Hatchery vaccination
Audit



Vaccination program
advising

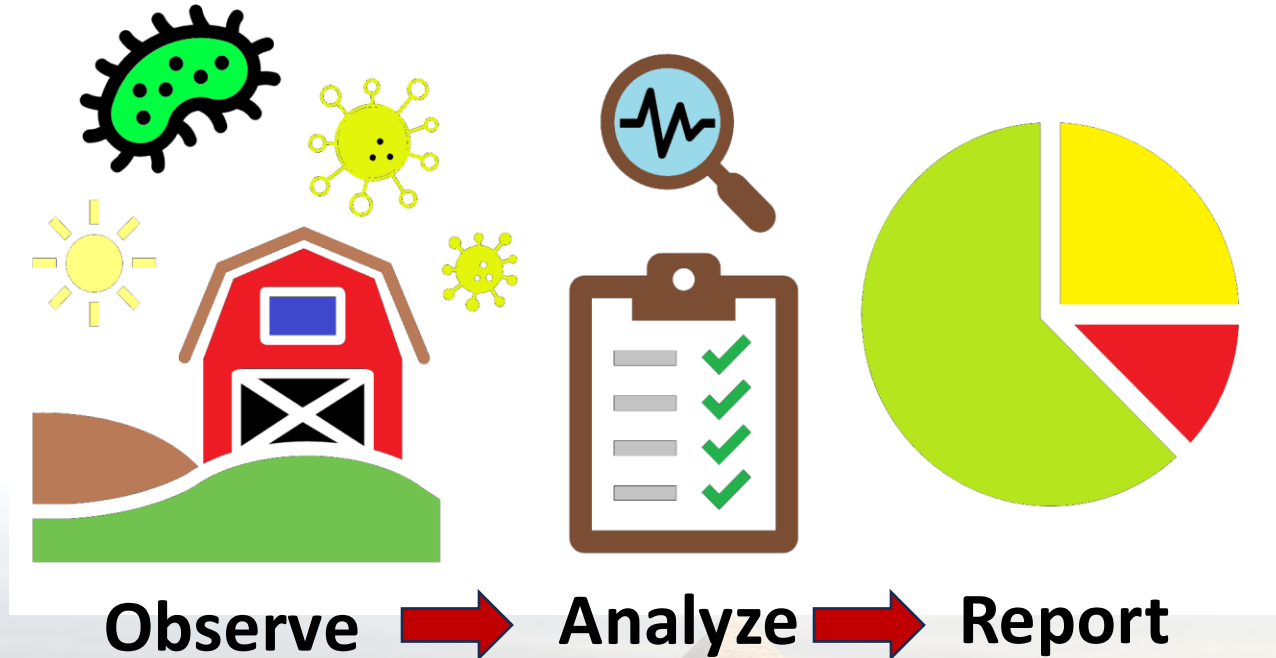


Assistance with
poultry health issues.



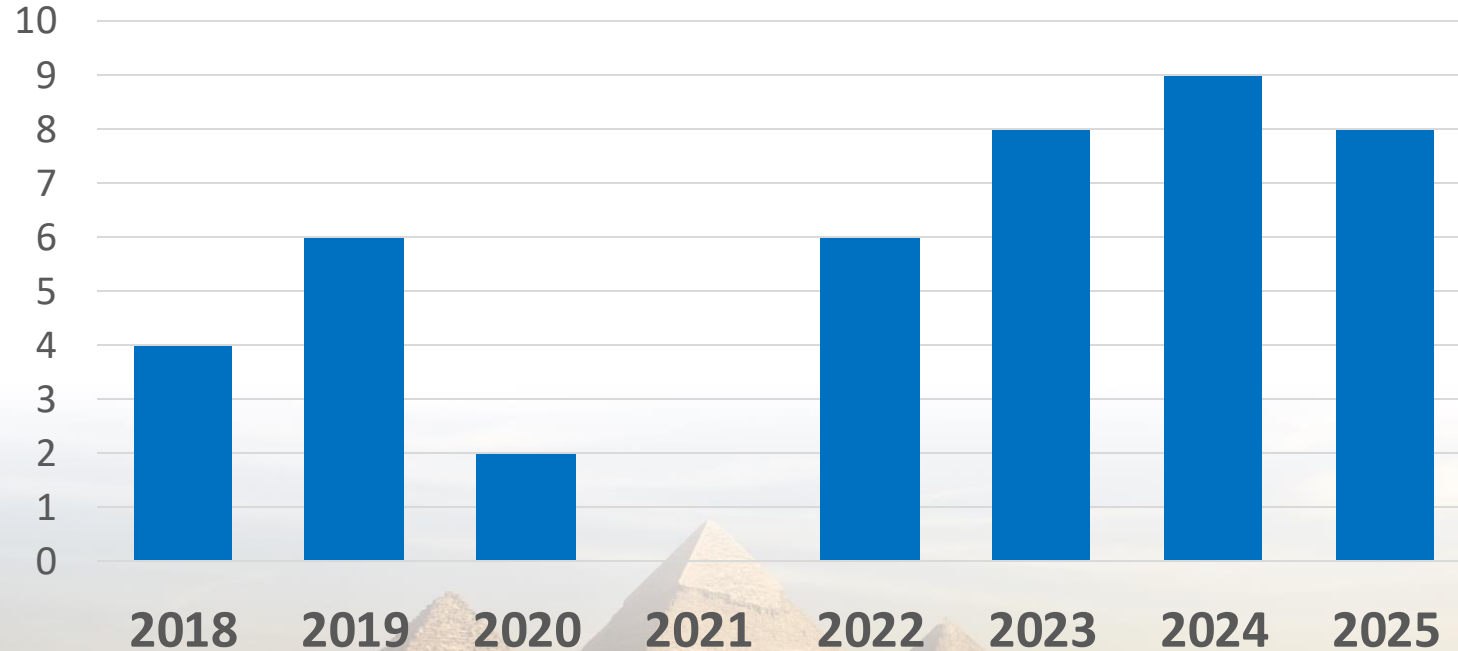
Laying hens diseases
survey by regions

H&N biosecurity audit



- On demand
- Confidential
- Aimed at helping to improve the level of biosecurity

Number of biosecurity audits per year



Total audits
performed:
43

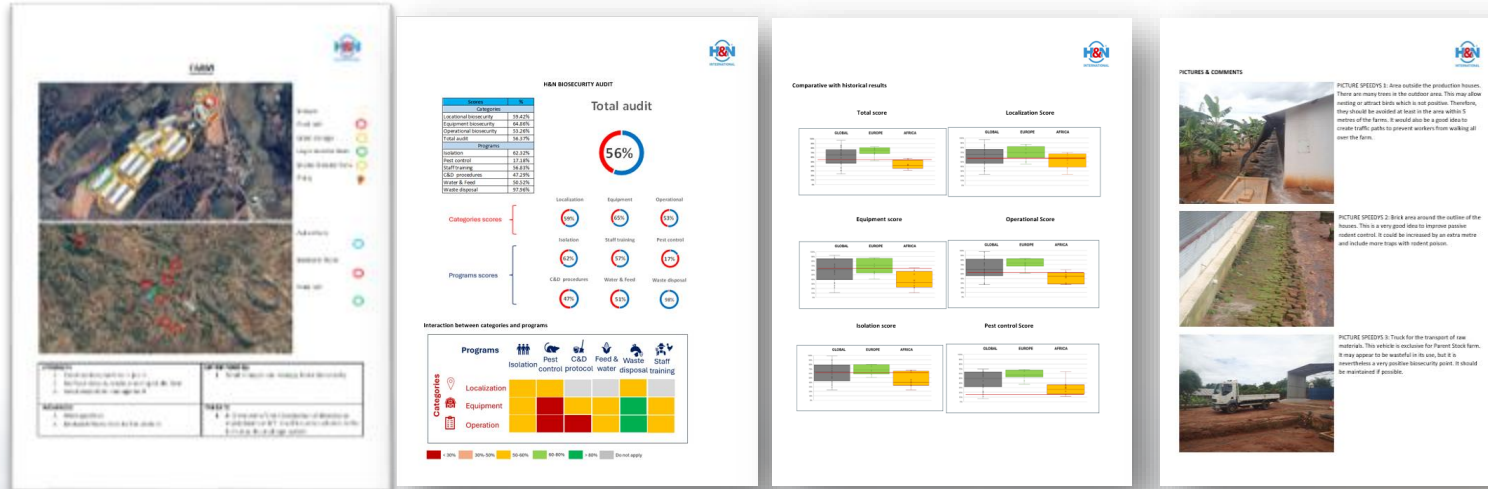
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Audit updated in 2025



- More than 200 new questions.
- New report design
 - More graphs.
 - Benchmarking
 - More pictures. Design

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H&N biosecurity audit



TAKE HOME MESSAGE

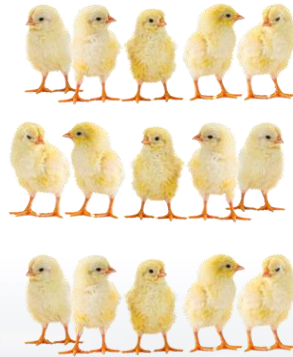
- A biosecurity audit focused on layer breeders is ready for you on demand.
- It is recommended that you request a biosecurity audit every three years.

Vaccination program advicing

The main objective of a PS vaccination program



1.Protect
breeders
health from
diseases



2.Protect
offspring
from certain
diseases.



Vaccination
cannot replace:

- Good biosecurity
- Feed quality
- Environmental conditions



Vaccination program advising



Vaccination program cannot be universal:

- Epizootic situation
- Availability of vaccines
- Staff skills...

But it can be unique and flexible thanks to comprehensive experience of H&N International vet team

Vaccination program advicing



TAKE HOME MESSAGE

- Our veterinarian team is available to answer any questions about the vaccination program at any time.
- It is recommended that you share your vaccination program with the H&N team.

H&N hatchery vaccination audit

Vaccination in hatchery is and will be critical



R-HVT ND
R-HVT ILT
R-HVT IBD
R-HVT IBD-ILT
R-HVT ND-ILT



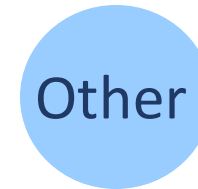
IBD



Attenuated
Non attenuated



ND
IB



E. Coli ??
SE ??
ST ??



saRNA ??
DNA ??

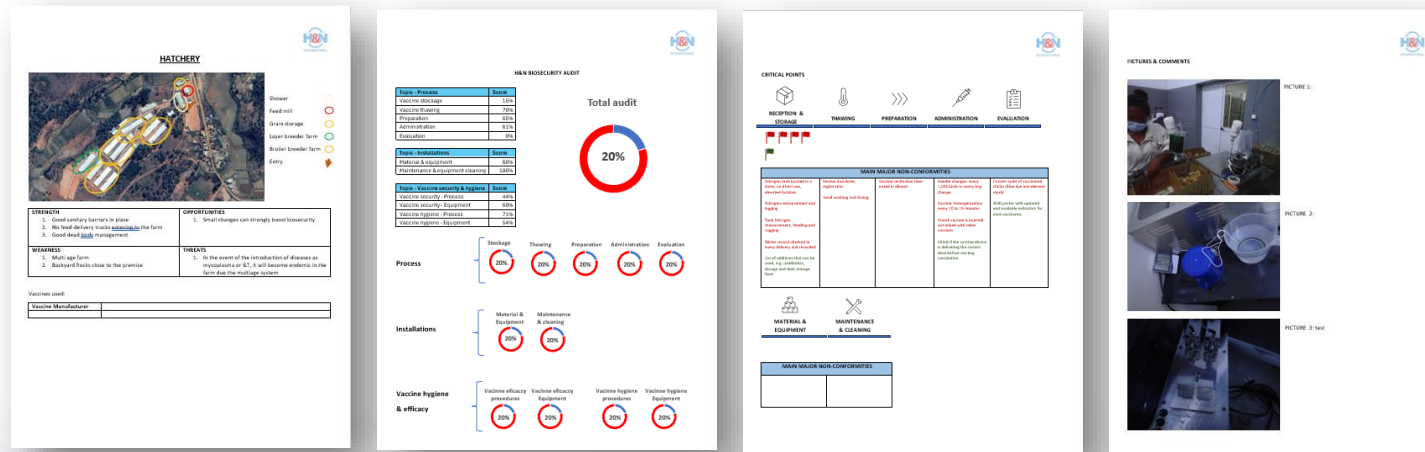


H&N hatchery vaccination audit



- In-house audit created by H&N
- On demand
- Confidential
- Aimed at identifying red flags during the vaccination process

H&N hatchery vaccination audit



- Based on visits on the day of hatching:
- The report includes:
 - Scores for each stage of the process
 - Red flags for each stage of the process.
 - Photographs with annotations.

H&N hatchery vaccination audit



TAKE HOME MESSAGE

- The correct implementation of hatchery vaccinations must be audited.
- H&N International can carry out this type of audit. Availability of vaccines

Assistance with poultry health issues



Diagnostic assistance:

- Clinical and pathoanatomic examination
- Analysis of laboratory research data

Development of recommendations:

- Adjustment of the vaccination program
- Lab monitoring

Training/ coaching:

- The prevention of poultry diseases
- Vaccination techniques

Assistance with poultry health issues



TAKE HOME MESSAGE

- At H&N International, we have a team of veterinary experts and laboratory facilities, as well as the ability to adapt to the realities of different countries.
- We look forward to collaborating with you to resolve any poultry health issues that may arise in your operations or those of your customers.

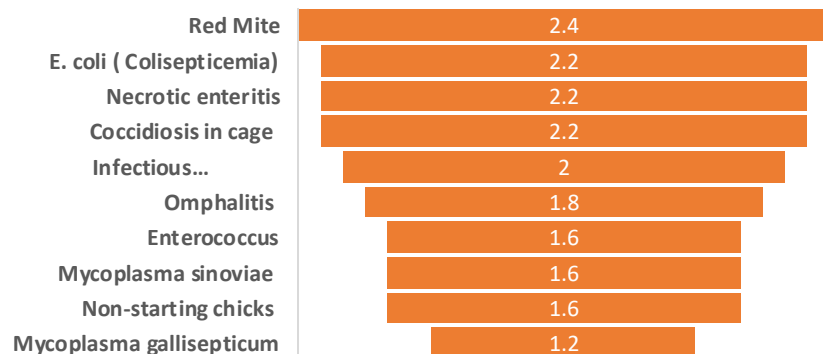
Laying hens diseases survey by regions



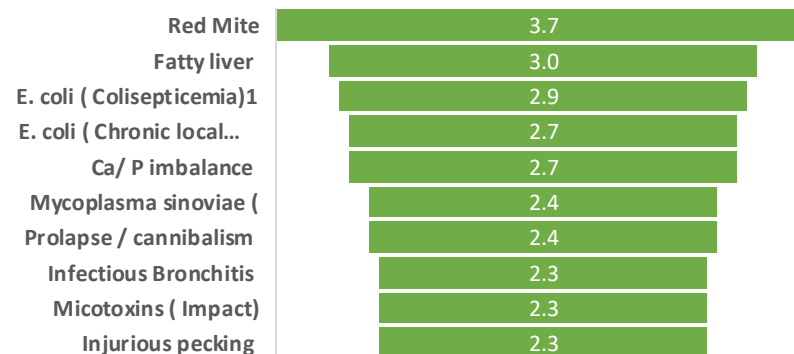
- Survey developed by H&N International
- Methodology similar to that used by AVEP in the United State based on responses from veterinary practitioners
- Score by disease and type of production
- Score map by disease

Laying hens diseases survey by regions

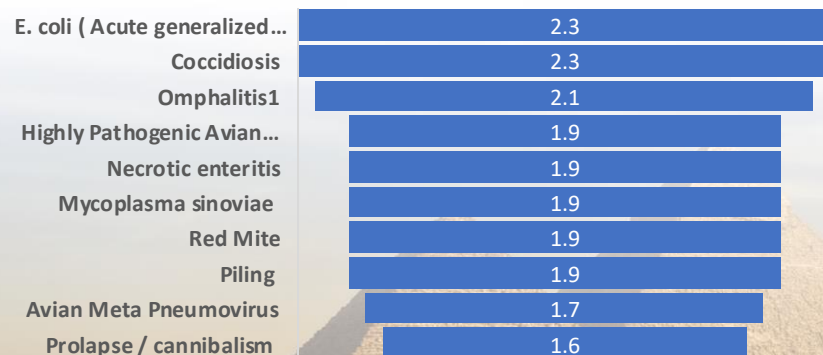
Cage rearing



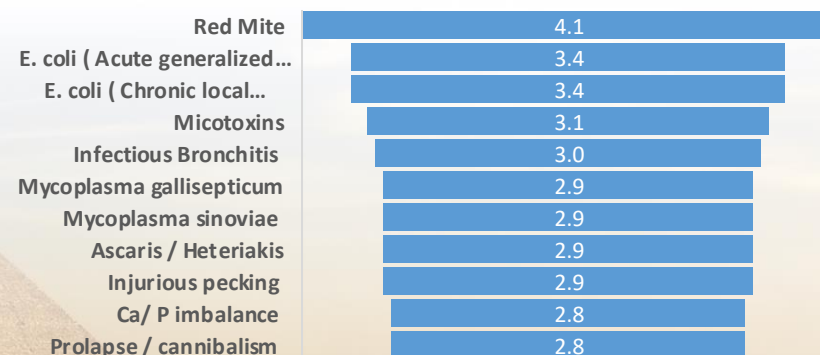
Cage production



Cage free rearing



Cage free production



Europe
results



Laying hens diseases survey by regions

Coming next ...



Latam



Russia & CIS

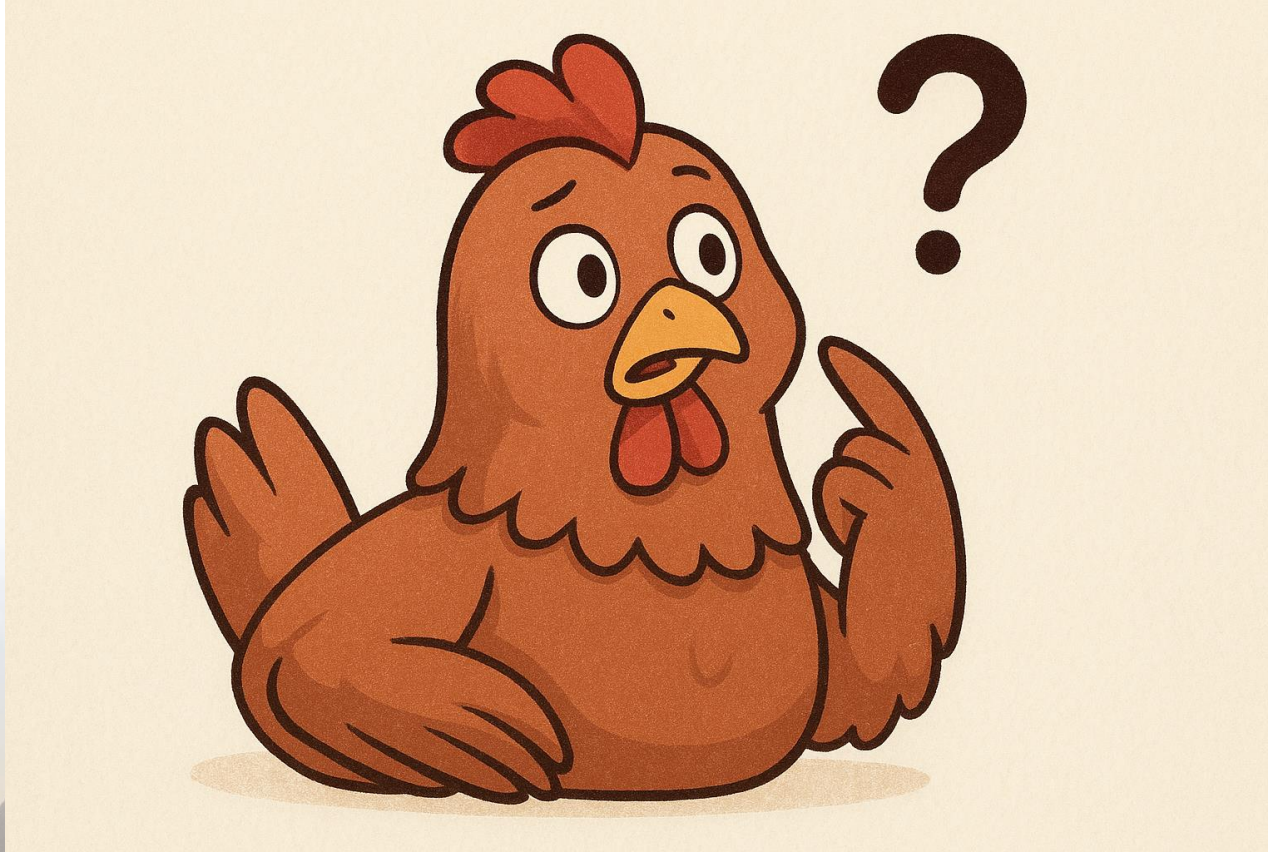
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What else can we do for you?



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Thank you for your attention!!!

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